INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

Joseph E. Kernan
Governor

Lori F. Kaplan
Commissioner

100 North Senate Avenue
P.O. Box 6015
Indianapolis, Indiana 46206-6015
(317) 232-8603
(800) 451-6027
www.in.gov/idem

February 18, 2004

TO: Interested Parties / Applicant

RE: Nucor Building Systems / 033-18350-00035

FROM: Paul Dubenetzky
Chief, Permits Branch
Office of Air Quality

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER-AM.dot 9/16/03

February 18, 2004

Mr. Dirk Petersen
Nucor Building Systems
305 Industrial Parkway
Waterloo, IN 46793

Re: 033-18350
Third Administrative Amendment to
FESOP 033-14157-00035

Dear Mr. Petersen:

Nucor Building Systems was issued a FESOP on April 17, 2002, for a prefabricated metal building and components assembly and coating plant. A letter requesting an administrative amendment was received on January 5, 2004. Pursuant to the provisions of 326 IAC 2-8-10 the permit is hereby administratively amended as follows (~~strikeout~~ to show deletions and **bold** to show additions):

(1) Section A.1 is modified as follows:

Authorized Individual:	~~Harry R. Lowe, Vice President &~~ **Dirk Petersen,** General Manager
Source Address:	305 Industrial Parkway, Waterloo, IN 46793
Mailing Address:	P.O. Box 70, 305 Industrial Parkway, Waterloo, IN 46793

(2) Section A.2 is modified as follows:

This stationary source consists of the following emission units and pollution control devices:

(a) One (1) Built Up Line Paint Booth, installed in 1987, rated at 9.1 gallons liquid paint per hour utilizing **an air-assisted airless spray application system with two (2) guns and** ~~an one (1)~~ **a two (2)** gun low pressure air atomization spray application system **as backup,** all identified as ID-C, with particulate matter as over spray controlled by dry filter exhausting at two (2) stacks identified as 1A and 1B;

(b) One (1) Built Up Line Auxiliary Paint Booth, installed in 1987, rated at 9.1 gallons liquid paint per hour utilizing **an air-assisted airless spray application system with two (2) guns and** ~~an one (1)~~ **a two (2)** gun low pressure air atomization spray application system **as backup**, all identified as ID-C1, with particulate matter as over spray controlled by dry filter exhausting at two (2) stacks identified as 4A and 4B;

(3) Section A.3 is modified as follows:

(g) four (4) cold cleaning type parts degreasers, two installed in 1987 and two installed in 2001; and

(h) **two (2) air-assisted airless spray guns, with** two (2) airless type spray guns **as backup** used for the coating of large metal parts in the area of booths ID-C, ID-C1 and ID-D, exhausting inside the production building.

(4) Section D.1 is modified as follows:

Facility Description [326 IAC 2-8-4(10)]:

(a) One (1) Built Up Line Paint Booth, installed in 1987, rated at 9.1 gallons liquid paint per hour utilizing **an air-assisted airless spray application system with two (2) guns and** ~~an one (1)~~ **a two (2)** gun low pressure air atomization spray application system **as backup** all identified as ID-C, with particulate matter as over spray controlled by dry filter exhausting at two (2) stacks identified as 1A and 1B;

(b) One (1) Built Up Line Auxiliary Paint Booth, installed in 1987, rated at 9.1 gallons liquid paint per hour utilizing **an air-assisted airless spray application system with two (2) guns and** ~~an one (1)~~ **a two (2)** gun low pressure air atomization spray application system **as backup**, all identified as ID-C1, with particulate matter as over spray controlled by dry filter exhausting at two (2) stacks identified as 4A and 4B;

….

(e) **two (2) air-assisted airless spray guns, with** two (2) airless type spray guns **as backup** used for the coating of large metal parts in the area of booths ID-C, ID-C1 and ID-D, exhausting inside the production building.

All other conditions of the permit shall remain unchanged and in effect. Please attach a copy of this amendment and the following revised permit pages to the front of the original permit.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Madhurima Moulik, at (800) 451-6027, press 0, extension 3-0868, or dial (317) 233-0868.

Sincerely,

Original signed by Paul Dubenetzky

Paul Dubenetzky, Chief
Permits Branch
Office of Air Quality

Attachments
mm

cc: File – Dekalb County
U.S. EPA, Region V
Dekalb County Health Department
Northern Regional Office
Air Compliance Section Inspector – Doyle Houser
Compliance Data Section
Administrative and Development

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT (FESOP) OFFICE OF AIR QUALITY

Nucor Building Systems
305 Industrial Parkway
Waterloo, IN 46793

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-8 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: F033-14157-00035	
Issued by: Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: April 17, 2002 Expiration Date: April 17, 2007

First Administrative Amendment No.: 033-15925 Issuance Date: May 10, 2002
Second Administrative Amendment No.: 033-16613 Issuance Date: December 4, 2002

Third Administrative Amendment No.: 033-18350 Pages Modified: 5, 6, 27	
Issued by:Original signed by Paul Dubenetzky Paul Dubenetzky, Branch Chief Office of Air Quality	Issuance Date: February 18, 2004

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-8-3(b)]

The Permittee owns and operates a prefabricated metal building and components assembly and coating plant.

Authorized Individual:	Dirk Petersen, General Manager
Source Address:	305 Industrial Parkway, Waterloo, IN 46793
Mailing Address:	P.O. Box 70, 305 Industrial Parkway, Waterloo, IN 46793
SIC Code:	3448
County Location:	DeKalb
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Federally Enforceable State Operating Permit (FESOP) Minor Source, under PSD Rules; Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-8-3(c)(3)]

This stationary source consists of the following emission units and pollution control devices:

(a) One (1) Built Up Line Paint Booth, installed in 1987, rated at 9.1 gallons liquid paint per hour utilizing an air-assisted airless spray application system with two (2) guns and a two (2) gun low pressure air atomization spray application system as backup, all identified as ID-C, with particulate matter as over spray controlled by dry filter exhausting at two (2) stacks identified as 1A and 1B;

(b) One (1) Built Up Line Auxiliary Paint Booth, installed in 1987, rated at 9.1 gallons liquid paint per hour utilizing an air-assisted airless spray application system with two (2) guns and a two (2) gun low pressure air atomization spray application system as backup, all identified as ID-C1, with particulate matter as over spray controlled by dry filter exhausting at two (2) stacks identified as 4A and 4B;

(c) One (1) Purlin Line Vac-u-coater, installed in 1987, rated at 9.5 gallons liquid paint per hour utilizing one (1) flowcoat paint application method and identified as ID-D, exhausting at one (1) stack identified as 2, with separate one (1) rod flowcoater and one (1) small parts/plates dip coater; and

(d) One (1) flange brace flowcoater, installed in 1999, having a rating of seven (7) tons of steel per week, also exhausting through stack 2.

A.3 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-8-3(c)(3)(I)]

This stationary source also includes the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(a) natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units (Btu) per hour. This includes:

(1) one (1) Purlin Line flowcoating drying oven rated at 2 million Btu per hour;

(2) fifty-three (53) unit space heaters individually rated at 104,000 Btu per hour (5,512,000 Btu per hour, total rating); and

(3) three (3) boilers individually rated at 330,000 Btu per hour (990,000 Btu per hour, total rating)

all installed in 1987; and

(4) two (2) natural gas-fired air handler heating units individually rated at 5.8 million Btu per hour installed in 1999.

(b) a gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons;

(c) a petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month;

(d) VOC and HAP storage containers with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons;

(e) machining where an aqueous cutting coolant continuously floods the machining interface;

(f) the following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment and welding equipment, including:

(1) one (1) submerged arc type welding station; and

(2) two (2) metal inert gas type welding stations; and

(g) four (4) cold cleaning type parts degreasers, two installed in 1987 and two installed in 2001; and

(h) two (2) air-assisted airless spray guns, with two (2) airless type spray guns as backup used for the coating of large metal parts in the area of booths ID-C, ID-C1 and ID-D, exhausting inside the production building.

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]:

(a) One (1) Built Up Line Paint Booth, installed in 1987, rated at 9.1 gallons liquid paint per hour utilizing an air-assisted airless spray application system with two (2) guns and a two (2) gun low pressure air atomization spray application system as backup, all identified as ID-C, with particulate matter as over spray controlled by dry filter exhausting at two (2) stacks identified as 1A and 1B;

(b) One (1) Built Up Line Auxiliary Paint Booth, installed in 1987, rated at 9.1 gallons liquid paint per hour utilizing an air-assisted airless spray application system with two (2) guns and a two (2) gun low pressure air atomization spray application system as backup, all identified as ID-C1, with particulate matter as over spray controlled by dry filter exhausting at two (2) stacks identified as 4A and 4B;

(c) one (1) Purlin Line Vac-u-coater, installed in 1987, rated at 9.5 gallons liquid paint per hour utilizing one (1) flowcoat paint application method and identified as ID-D, exhausting at one (1) stack identified as 2, with separate one (1) rod flowcoater and one (1) small parts/plates dip coater; and

(d) one (1) flange brace flowcoater, installed in 1999, having a rating of seven (7) tons of steel per week, also exhausting through stack 2.

and the following insignificant activities, as defined in 326 IAC 2-7-1(21):

(e) two (2) air-assisted airless spray guns, with two (2) airless type spray guns as backup used for the coating of large metal parts in the area of booths ID-C, ID-C1 and ID-D, exhausting inside the production building.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-8-4(1)]

D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of coatings applied to the metal parts and products at coating facilities ID-C, ID-C1, ID-D, the flange brace flowcoater, and the two (2) spray guns used for the coating of large metal parts shall be limited to 3.5 pounds of VOCs per gallon of coating less water, for air dried and forced warm air dried coatings.

Solvent sprayed from application equipment during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

D.1.2 Volatile Organic Compounds (VOC) [326 IAC 2-8]

The total input usage of volatile organic compounds (VOC) at the three (3) painting facilities (ID-C, ID-C1, and ID-D), the flange brace flowcoater, and the two (2) spray guns used for the coating of large metal parts, including VOC solvents and diluents, shall be less than 98.2 tons per twelve (12) consecutive month period. Compliance with this condition shall limit the source-wide potential to emit VOC to less than 100 tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-7 shall not apply to the source.